

**[0029]** Communication media can embody computer-executable instructions, data structures, and program modules, and includes any information delivery media. By way of example, and not limitation, communication media includes wired media such as a wired network or direct-wired connection, and wireless media such as acoustic, radio frequency (RF), infrared, and other wireless media. Combinations of any of the above can also be included within the scope of computer-readable media.

**[0030]** FIG. 1 is a block diagram of an example of a client-side computing system or a destination-side computing system, e.g., a server **110** in accordance with embodiments of the present invention. Computing system **110** broadly represents any single or multi-processor computing device or system capable of executing computer-readable instructions. Examples of computing system **110** include, without limitation, workstations, laptops, client-side terminals, servers, distributed computing systems, handheld devices, or any other computing system or device. In its most basic configuration, computing system **110** may include at least one processor **114** of an embodiment of the present invention and a system memory **116**.

**[0031]** Processor **114** incorporates embodiments of the present invention and generally represents any type or form of processing unit capable of processing data or interpreting and executing instructions. In certain embodiments, processor **114** may receive instructions from a software application or module. These instructions may cause processor **114** to perform the functions of one or more of the example embodiments described and/or illustrated herein.

**[0032]** System memory **116** generally represents any type or form of volatile or non-volatile storage device or medium capable of storing data and/or other computer-readable instructions. Examples of system memory **116** include, without limitation, RAM, ROM, flash memory, or any other suitable memory device. Although not required, in certain embodiments computing system **110** may include both a volatile memory unit (such as, for example, system memory **116**) and a non-volatile storage device (such as, for example, primary storage device **132**).

**[0033]** Computing system **110** may also include one or more components or elements in addition to processor **114** and system memory **116**. For example, in the embodiment of FIG. 1, computing system **110** includes a memory controller **118**, an input/output (I/O) controller **120**, and a communication interface **122**, each of which may be interconnected via a communication infrastructure **112**. Communication infrastructure **112** generally represents any type or form of infrastructure capable of facilitating communication between one or more components of a computing device. Examples of communication infrastructure **112** include, without limitation, a communication bus (such as an Industry Standard Architecture (ISA), Peripheral Component Interconnect (PCI), PCI Express (PCIe), or similar bus) and a network.

**[0034]** Memory controller **118** generally represents any type or form of device capable of handling memory or data or controlling communication between one or more components of computing system **110**. For example, memory controller **118** may control communication between processor **114**, system memory **116**, and I/O controller **120** via communication infrastructure **112**.

**[0035]** I/O controller **120** generally represents any type or form of module capable of coordinating and/or controlling the input and output functions of a computing device. For

example, I/O controller **120** may control or facilitate transfer of data between one or more elements of computing system **110**, such as processor **114**, system memory **116**, communication interface **122**, display adapter **126**, input interface **130**, and storage interface **134**.

**[0036]** Communication interface **122** broadly represents any type or form of communication device or adapter capable of facilitating communication between example computing system **110** and one or more additional devices. For example, communication interface **122** may facilitate communication between computing system **110** and a private or public network including additional computing systems. Examples of communication interface **122** include, without limitation, a wired network interface (such as a network interface card), a wireless network interface (such as a wireless network interface card), a modem, and any other suitable interface. In one embodiment, communication interface **122** provides a direct connection to a remote server via a direct link to a network, such as the Internet. Communication interface **122** may also indirectly provide such a connection through any other suitable connection.

**[0037]** Communication interface **122** may also represent a host adapter configured to facilitate communication between computing system **110** and one or more additional network or storage devices via an external bus or communications channel. Examples of host adapters include, without limitation, Small Computer System Interface (SCSI) host adapters, Universal Serial Bus (USB) host adapters, IEEE (Institute of Electrical and Electronics Engineers) 1394 host adapters, Serial Advanced Technology Attachment (SATA) and External SATA (eSATA) host adapters, Advanced Technology Attachment (ATA) and Parallel ATA (PATA) host adapters, Fibre Channel interface adapters, Ethernet adapters, or the like. Communication interface **122** may also allow computing system **110** to engage in distributed or remote computing. For example, communication interface **122** may receive instructions from a remote device or send instructions to a remote device for execution.

**[0038]** As illustrated in FIG. 1, computing system **110** may also include at least one display device **124** coupled to communication infrastructure **112** via a display adapter **126**. Display device **124** generally represents any type or form of device capable of visually displaying information forwarded by display adapter **126**. Similarly, display adapter **126** generally represents any type or form of device configured to forward graphics, text, and other data for display on display device **124**.

**[0039]** As illustrated in FIG. 1, computing system **110** may also include at least one input device **128** coupled to communication infrastructure **112** via an input interface **130**. Input device **128** generally represents any type or form of input device capable of providing input, either computer- or human-generated, to computing system **110**. Examples of input device **128** include, without limitation, a keyboard, a pointing device, a speech recognition device, or any other input device.

**[0040]** As illustrated in FIG. 1, computing system **110** may also include a primary storage device **132** and a backup storage device **133** coupled to communication infrastructure **112** via a storage interface **134**. Storage devices **132** and **133** generally represent any type or form of storage device or medium capable of storing data and/or other computer-readable instructions. For example, storage devices **132** and **133** may be a magnetic disk drive (e.g., a so-called hard drive), a